

SPECIFICATIONS

4.1 THE PUMP

- a. The pump shall be manufactured conforming to BS EN 1028/BS EN 14466 or equivalent.
- b. Single or two stage centrifugal pump directly powered by suitable engine.
- c. The pump should be designed for rated flow of 1500 l/min at 10 bar pressure for continuous operation.
- d. The pump shaft material should be Stainless Steel and water carrying parts should be corrosion resistant materials.
- e. The pump should have a reliable vacuum operated priming system.
- f. The pump inlet with blank cap.
- g. The pump outlet shall be twin outlet with two independent control valves of 65 mm female coupling.
- h. The dry weight of the pump shall be below 160 kg + 05 %.

4.2. ENGINE

- a. A reputed make of gasoline engine to match the pump performance.
- b. Fuel tank capacity should be sufficient for minimum of four hour continuous operation. (Tank capacity and rated fuel consumption shall be mentioned in the offer)
- c. Stainless steel silencer to discharge exhaust silencer front end of suction inlet not sucking hot exhaust gasses.

4.3. ELECTRICAL SYSTEM

- a. 12 V Maintenance free Battery has to be charged by engine driven alternator
- b. Facility for the connection of Telescopic Flood light (12 V/ 55 W)

4.4 PUMP CONTROLS & INSTRUMENTATIONS

- a. On/ Off ignition switch
- b. Starter button
- c. Indicator lamps for oil and charging
- d. Oil pressure gauge
- e. Engine water temperature gauge
- f. Pump RPM gauge
- g. Hour meter
- h. Compound gauge and Pressure gauge
- i. Throttle
- j. Voltage meter
- k. Priming lever (if necessary)
- l. Fuel Level gauge

4.5 FRAME

- a. Heavy duty lightweight aluminum or stainless steel with 4 Nos. collapsible lifting handle.

4.6 ACCESSORIES

- a. 03 Nos. suitable diameter, 2.5 m long Suction Hoses for each pump
- b. 01 No. Metal strainer for each pump
- c. 01 No. Basket strainer for each pump
- d. 02 Nos. Universal suction wrench for each pump
- e. 01 No. 10 m long suction rope for each pump
- f. 01 No. Telescopic 12 V/55w flood light

4.7. TOOLS

- a. Set of tools necessary for routine maintenance to be supplied with each pumps.

4.8 SPARE PARTS

- a. Manufacturer to recommend and forward a list of spare parts for the operations of first two years with the current prices. Which are not consider for evaluation purpose.
- b. Supplier should confirm availability of spare parts for next 10 years.

4.9 DOCUMENTS TO BE PROVIDED WITH THE PUMPS

- a. Five sets of Operations manuals
- b. Five sets of Workshop manuals
- c. Five sets of Spare parts manuals
- d. Maintenance & service manual
- e. Third party inspection report
- f. All test reports
- g. Manufacturer's data sheets/books
- h. Detail drawings in three (03) sets (original & two duplicates)
- i. Certificate for hazardous area classification